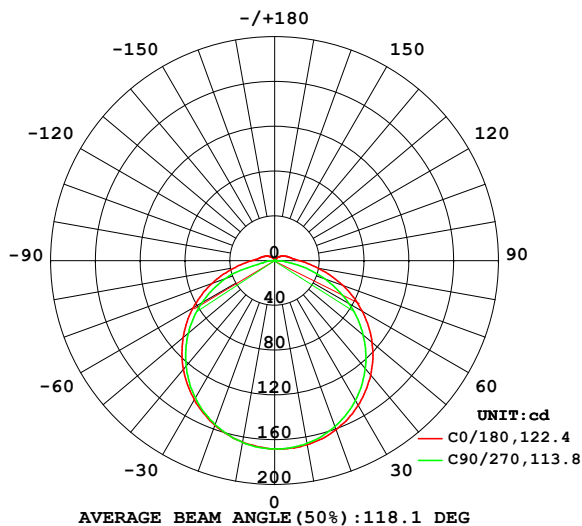


LUMINAIRE PHOTOMETRIC TEST REPORT

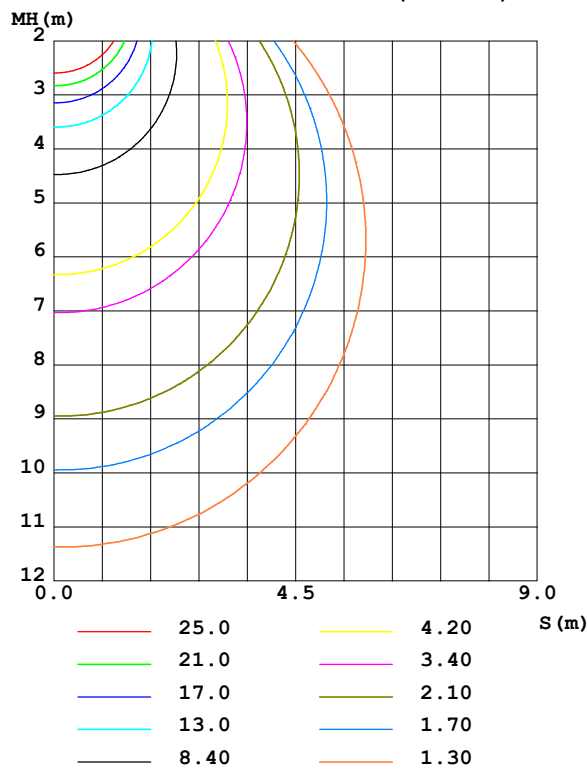
Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 113.95 lm/W
MODEL: VO-T5FIXW5FT1-120-3WAY-S-D		I _{max} (cd)	168.4	S/MH (C0/180)	1.27	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	556.05	η UP, DN (C0-180)	2.7, 47.8	
NOMINAL FLUX (lm)	556.045	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.7, 46.8	
LAMPS INSIDE	1	η up (%)	5.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120	η down (%)	94.6	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WXQ
Test Date: 12 March 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 50.0%
Test Distance: 1.153m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	167.0	166.9	165.9	164.9	164.6	164.3	164.8	166.1	0- 10	15.93	15.93	2.86,2.86
20	160.7	160.1	157.8	156.6	156.3	155.7	155.8	158.5	10- 20	45.82	61.75	11.1,11.1
30	149.2	148.5	144.4	143.1	143.4	142.4	141.7	145.8	20- 30	70.01	131.8	23.7,23.7
40	133.4	131.8	126.0	125.5	126.7	125.1	123.1	128.7	30- 40	85.55	217.3	39.1,39.1
50	113.6	111.6	103.1	103.9	106.8	104.4	100.7	107.4	40- 50	90.61	307.9	55.4,55.4
60	90.41	87.25	76.70	79.20	84.06	80.99	74.70	82.77	50- 60	84.57	392.5	70.6,70.6
70	64.78	60.57	47.48	52.54	59.57	55.78	46.46	55.71	60- 70	68.18	460.7	82.8,82.8
80	39.68	34.39	18.15	26.68	36.20	31.47	9.910	28.76	70- 80	44.00	504.7	90.8,90.8
90	22.26	17.10	1.217	10.82	20.52	15.69	1.462	11.31	80- 90	21.25	525.9	94.6,94.6
100	15.00	11.16	0.3795	6.889	13.90	10.32	0.5398	6.882	90-100	10.80	536.7	96.5,96.5
110	11.44	8.264	0.1846	5.035	10.88	7.881	0.3001	4.822	100-110	7.492	544.2	97.9,97.9
120	8.434	5.903	0.0928	3.610	8.285	5.862	0.1510	3.234	110-120	5.212	549.4	98.8,98.8
130	5.824	3.945	0.0908	2.492	5.979	4.126	0.0889	2.030	120-130	3.356	552.8	99.4,99.4
140	3.644	2.369	0.0934	1.565	3.988	2.741	0.0795	0.9863	130-140	1.926	554.7	99.8,99.8
150	1.905	1.145	0.1139	0.7223	2.319	1.713	0.1060	0.3087	140-150	0.9293	555.6	99.9,99.9
160	0.6329	0.3759	0.1434	0.2562	0.8729	0.6777	0.1138	0.0890	150-160	0.3285	556.0	100,100
170	0.2004	0.1735	0.1674	0.1724	0.0692	0.0935	0.0669	0.0667	160-170	0.0692	556.0	100,100
180	0.0104	0.0133	0.0082	0.0116	0.0190	0.0183	0.0174	0.0149	170-180	0.0092	556.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

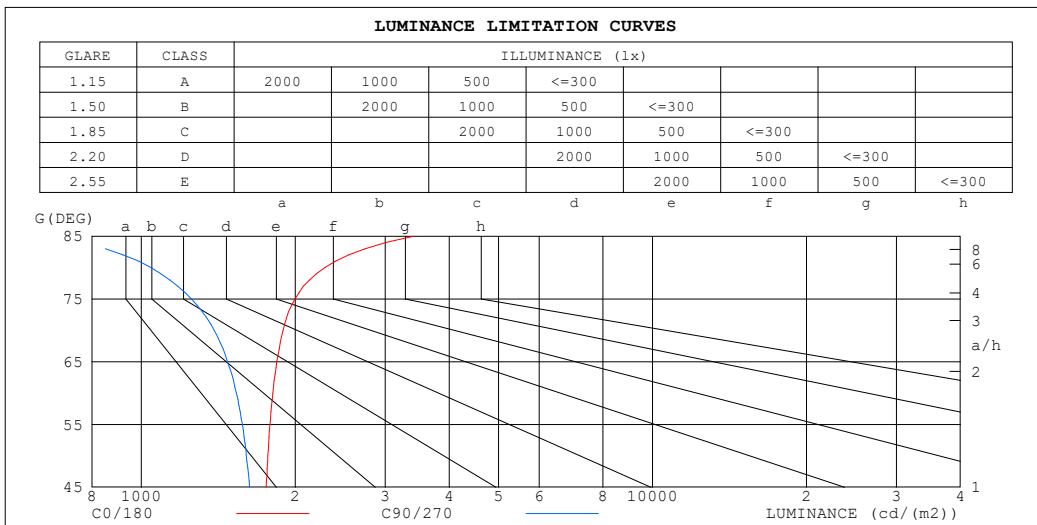
0 - 45 DEG Zonal Flux:262.68 %lum: 47.2%
 45 - 60 DEG Zonal Flux:129.81 %lum: 23.3%
 All measured values may vary less than 35 %
 from the average measured value in the 0 to 130 deg. zone: 15.7%
 All measured values in the 0 to 130 deg. zone
 may vary less than 50% from the average value of itself: 22.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:WXQ
 Test Date:12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:50.0%
 Test Distance:1.153m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3407	707
80	2285	1045
75	1997	1254
70	1894	1388
65	1840	1474
60	1808	1534
55	1784	1577
50	1767	1604
45	1755	1627

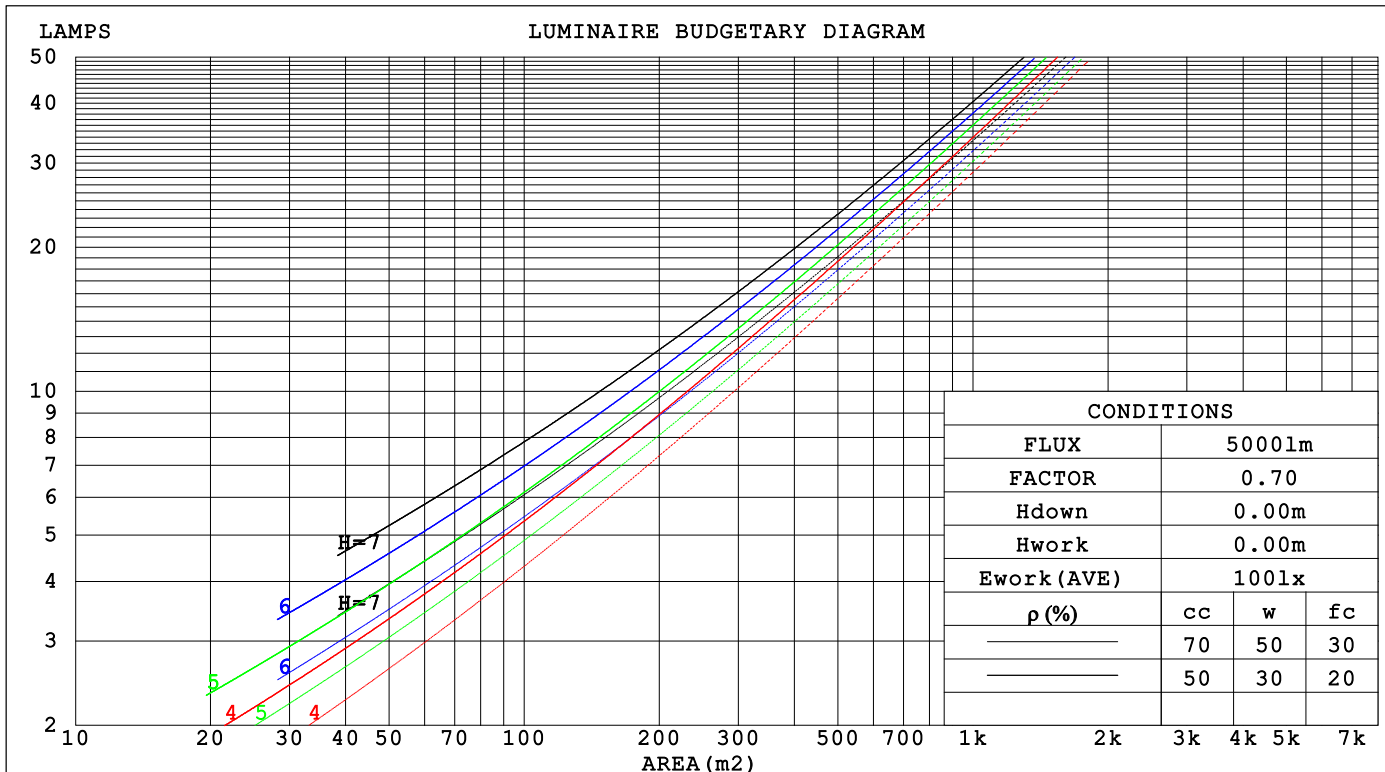
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:WXQ
Test Date:12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:50.0%
Test Distance:1.153m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.01	.96	.92	.98	.94	.90	.93	.90	.86	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.80	.74	.85	.78	.73	.81	.75	.70	.77	.72	.68	.73	.69	.66	.63
3.0	.76	.68	.61	.74	.67	.60	.71	.64	.58	.67	.61	.57	.64	.59	.55	.53
4.0	.67	.58	.51	.66	.57	.51	.63	.55	.49	.60	.53	.48	.57	.51	.47	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.48	.43	.53	.47	.42	.51	.45	.41	.38
6.0	.54	.45	.38	.53	.44	.38	.50	.43	.37	.48	.41	.36	.46	.40	.36	.33
7.0	.49	.40	.34	.48	.39	.33	.46	.38	.33	.44	.37	.32	.42	.36	.31	.29
8.0	.44	.36	.30	.44	.35	.30	.42	.34	.29	.40	.33	.29	.38	.33	.28	.26
9.0	.41	.32	.27	.40	.32	.27	.38	.31	.26	.37	.30	.26	.36	.30	.25	.23
10.0	.38	.30	.24	.37	.29	.24	.35	.28	.24	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:WXQ
Test Date:12 March 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:50.0%
Test Distance:1.153m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.337	.192	.061	.328	.187	.059	.312	.179	.057	.297	.171	.055	.283	.164	.053		
2.0	.307	.168	.052	.299	.165	.051	.285	.158	.049	.271	.152	.048	.259	.146	.046		
3.0	.280	.149	.045	.273	.146	.044	.260	.141	.043	.248	.136	.042	.237	.131	.041		
4.0	.256	.133	.039	.250	.131	.039	.238	.126	.038	.227	.122	.037	.217	.118	.036		
5.0	.235	.120	.035	.230	.118	.034	.219	.114	.034	.210	.111	.033	.200	.107	.032		
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029		
7.0	.202	.100	.028	.197	.098	.028	.189	.095	.027	.181	.093	.027	.173	.090	.026		
8.0	.188	.092	.026	.184	.090	.026	.176	.088	.025	.169	.085	.025	.162	.083	.024		
9.0	.176	.085	.024	.172	.084	.024	.165	.082	.023	.158	.079	.023	.152	.077	.022		
10.0	.165	.079	.022	.162	.078	.022	.155	.076	.021	.149	.074	.021	.143	.072	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025		
1.0	.224	.198	.174	.191	.170	.150	.131	.117	.103	.075	.067	.060	.024	.022	.019		
2.0	.216	.174	.138	.185	.150	.119	.127	.103	.083	.073	.060	.049	.023	.019	.016		
3.0	.209	.156	.115	.179	.135	.100	.123	.094	.070	.071	.055	.041	.023	.018	.013		
4.0	.201	.143	.100	.172	.124	.086	.119	.086	.061	.069	.051	.036	.022	.016	.012		
5.0	.193	.133	.089	.166	.115	.077	.114	.081	.055	.066	.047	.032	.021	.015	.011		
6.0	.186	.125	.081	.160	.108	.071	.110	.076	.050	.064	.045	.030	.021	.015	.010		
7.0	.179	.118	.075	.154	.102	.066	.106	.072	.047	.062	.042	.028	.020	.014	.009		
8.0	.173	.112	.071	.149	.098	.062	.103	.069	.044	.060	.040	.026	.019	.013	.009		
9.0	.166	.108	.068	.143	.093	.059	.099	.066	.042	.058	.039	.025	.019	.013	.008		
10.0	.161	.103	.065	.139	.090	.057	.096	.063	.040	.056	.037	.024	.018	.012	.008		

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:WXQ

Test Date:12 March 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463

Humidity:50.0%

Test Distance:1.153m [K=1.0000]

Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm										
NAME: VO-T5FIXW5FT1-120-3WAY-S-D					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 123-1697		
MFR.: HI-LIGHT					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.9	18.4	17.3	18.7	19.0	16.3	17.8	16.7	18.1	18.4
3H	18.8	20.2	19.2	20.5	20.9	17.9	19.2	18.2	19.6	19.9
4H	19.8	21.1	20.2	21.4	21.8	18.4	19.7	18.8	20.1	20.5
6H	20.6	21.9	21.1	22.2	22.6	18.8	20.1	19.2	20.4	20.8
8H	21.1	22.3	21.5	22.7	23.1	18.9	20.1	19.3	20.5	20.9
12H	21.6	22.7	22.0	23.1	23.5	19.0	20.1	19.4	20.5	20.9
4H 2H	17.6	18.9	17.9	19.2	19.6	17.1	18.4	17.5	18.8	19.1
3H	19.7	20.8	20.1	21.2	21.6	18.8	20.0	19.3	20.4	20.8
4H	20.8	21.8	21.2	22.2	22.7	19.6	20.6	20.0	21.1	21.5
6H	21.8	22.8	22.3	23.2	23.7	20.1	21.1	20.6	21.5	22.0
8H	22.4	23.2	22.9	23.7	24.2	20.3	21.2	20.8	21.6	22.1
12H	23.0	23.8	23.5	24.3	24.8	20.4	21.2	20.9	21.7	22.2
8H 4H	21.1	22.0	21.6	22.4	22.9	20.1	21.0	20.6	21.4	21.9
6H	22.4	23.1	22.9	23.6	24.2	20.9	21.6	21.4	22.1	22.6
8H	23.1	23.8	23.6	24.3	24.8	21.2	21.8	21.7	22.3	22.9
12H	23.9	24.5	24.5	25.0	25.6	21.4	21.9	21.9	22.5	23.1
12H 4H	21.1	21.9	21.6	22.4	22.9	20.2	21.0	20.7	21.5	22.0
6H	22.5	23.1	23.0	23.7	24.2	21.1	21.7	21.6	22.2	22.8
8H	23.3	23.8	23.8	24.4	25.0	21.5	22.0	22.0	22.6	23.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 556.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WXQ
Test Date:12 March 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:50.0%
Test Distance:1.153m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

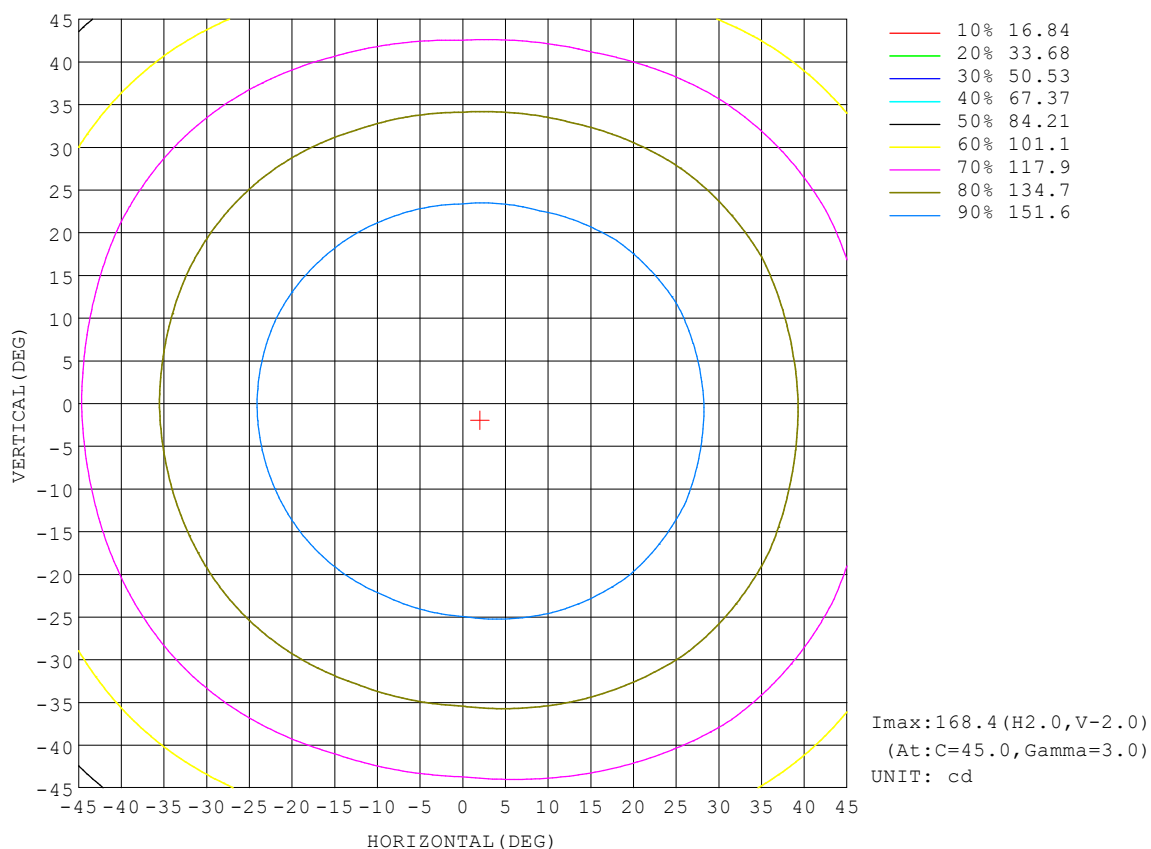
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	77	67	60	74	65	59	51
1.50	84	74	66	82	72	65	79	70	64	56
2.00	91	82	75	89	80	74	85	78	72	63
2.50	95	87	80	93	85	79	88	82	77	67
3.00	99	91	85	96	89	84	91	86	81	71
4.00	103	97	91	100	95	90	95	90	86	76
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WXQ
Test Date: 12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 50.0%
Test Distance: 1.153m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

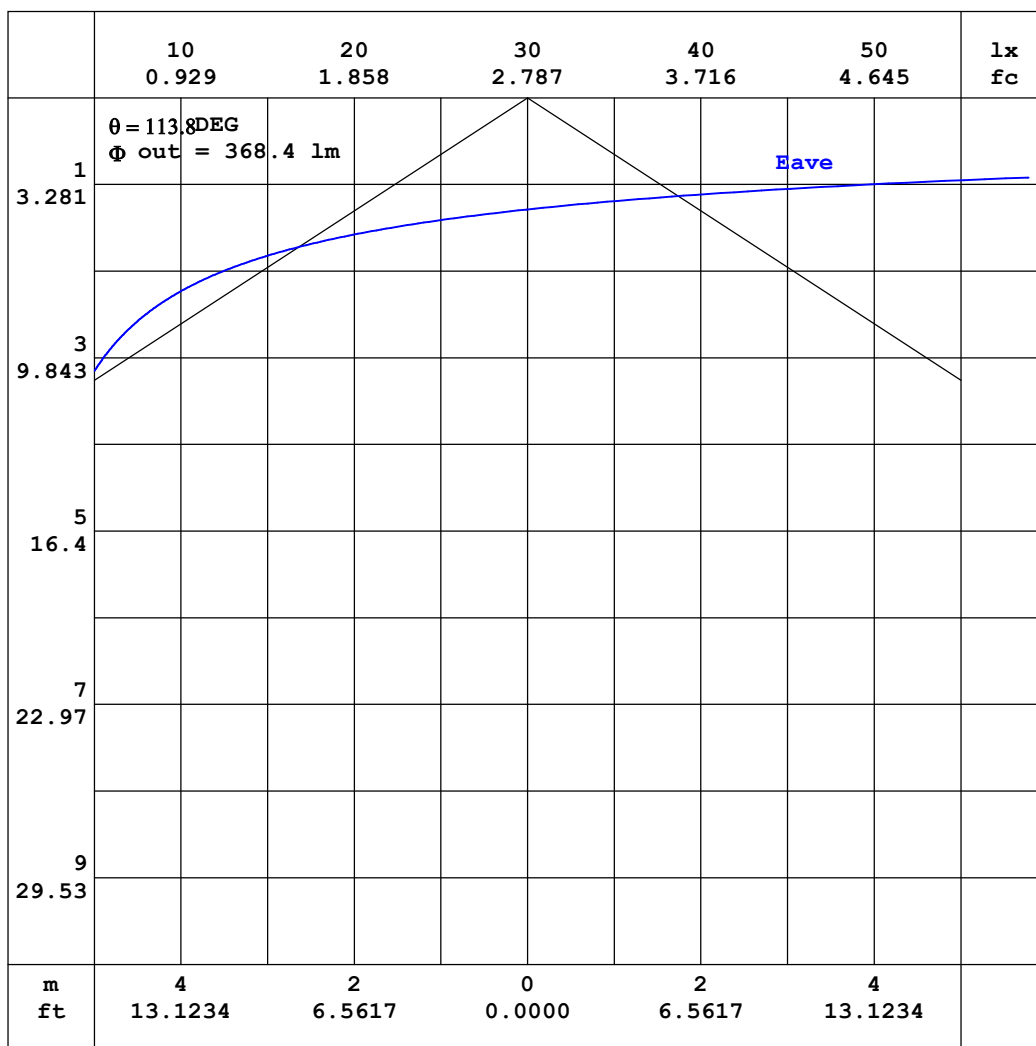


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:WXQ
Test Date:12 March 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:50.0%
Test Distance:1.153m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:



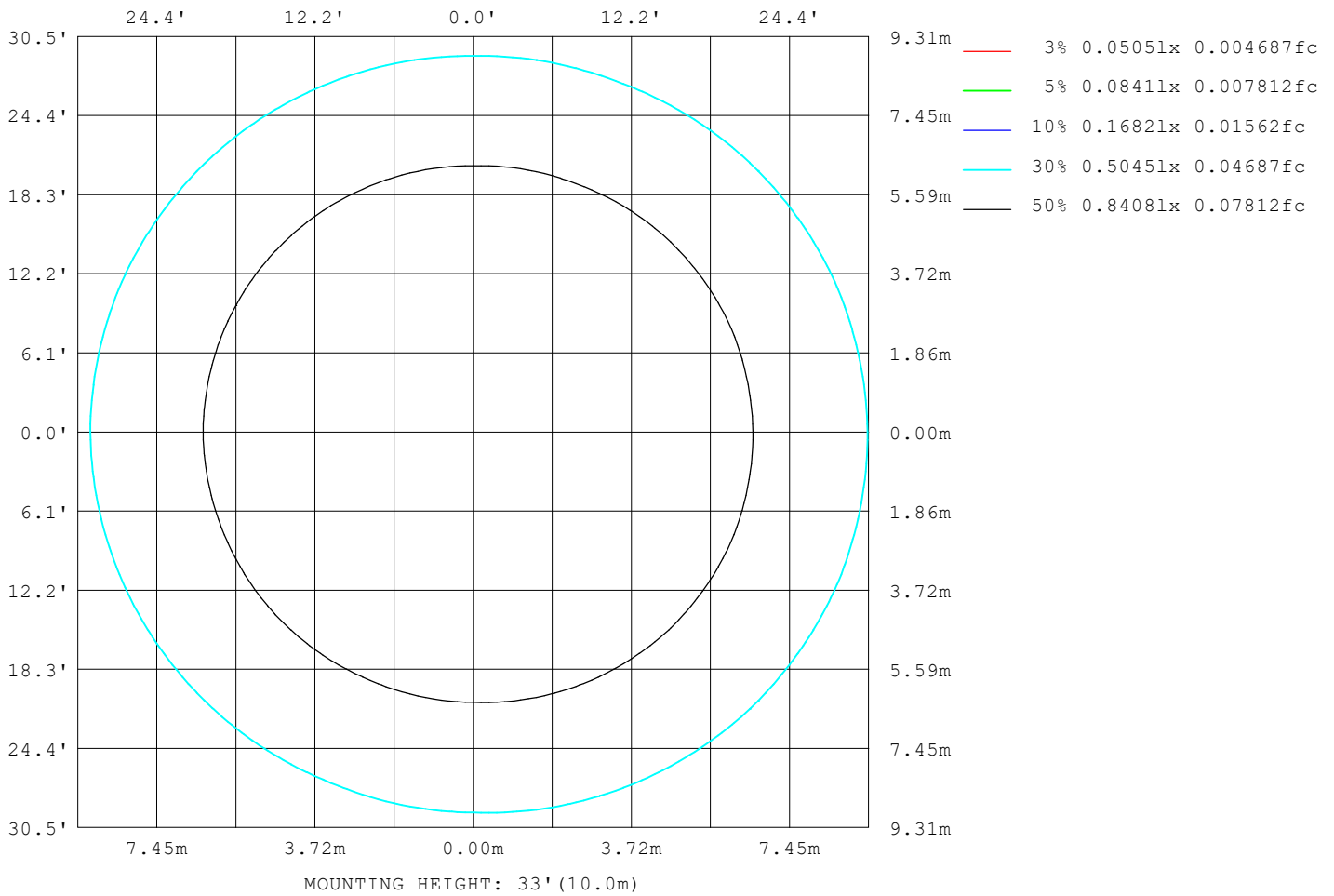
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WXQ
Test Date: 12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 50.0%
Test Distance: 1.153m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WXQ
Test Date: 12 March 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 50.0%
Test Distance: 1.153m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm		
NAME: VO-T5FIXW5FT1-120-3WAY-S-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 123-1697
MFR.: HI-LIGHT	SUR.:	Shielding Angle:

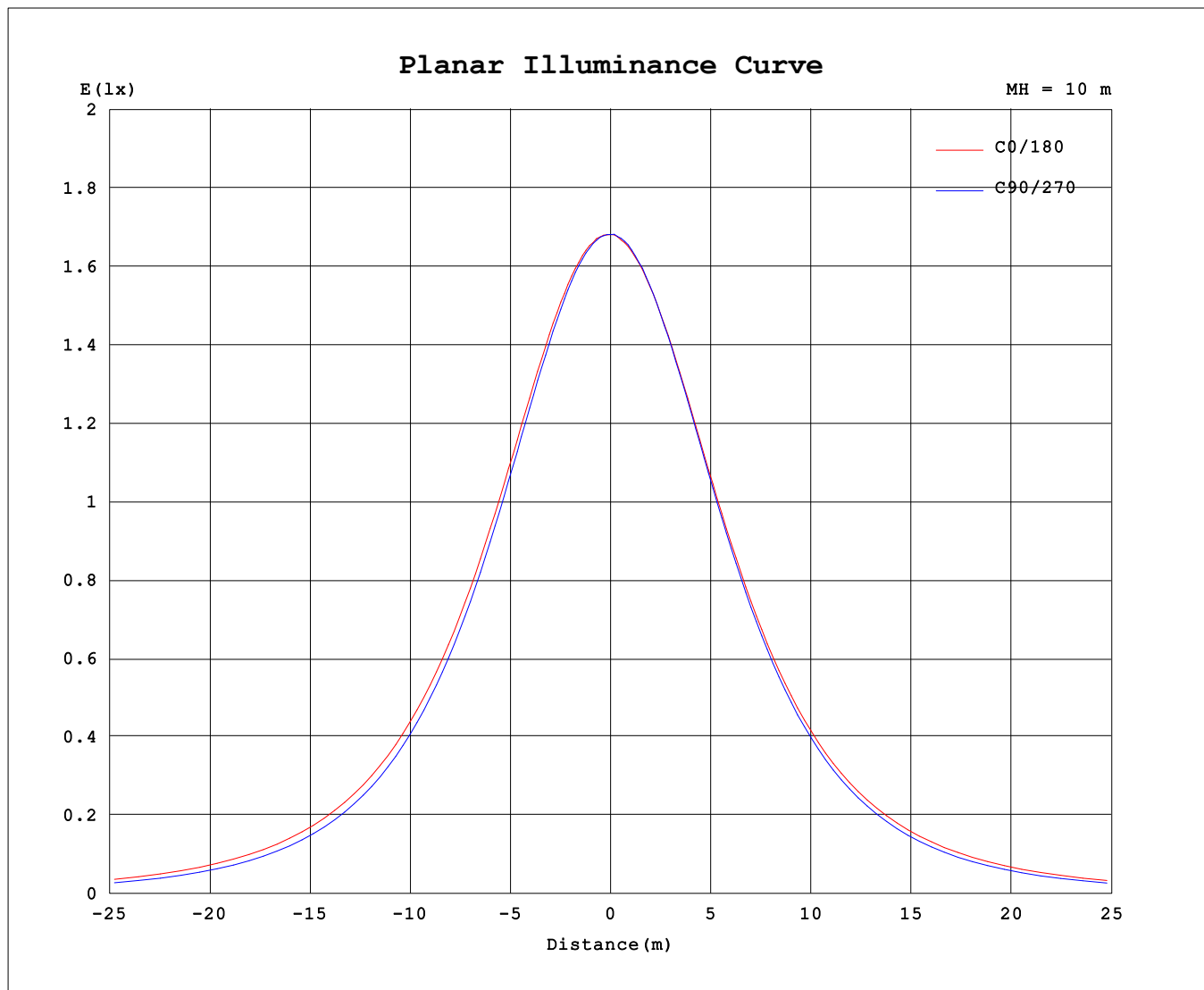
AvgL	cd/m2
L_0~180 (65) av	1769
L_0~180 (75) av	1914
L_0~180 (85) av	3263
L_90~270 (65) av	1457
L_90~270 (75) av	1119
L_90~270 (85) av	672
L_45 (65) av	1648
L_45 (75) av	1655
L_45 (85) av	2323

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WXQ
 Test Date:12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:50.0%
 Test Distance:1.153m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WXQ
Test Date: 12 March 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 50.0%
Test Distance: 1.153m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.0486A P:4.8797W PF:0.8364 Freq:59.98Hz Lamp Flux:556.045x1 lm																	
NAME: VO-T5FIXW5FT1-120-3WAY-S-D									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.: 123-1697		
MFR.: HI-LIGHT									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168			
5	168	168	168	168	168	167	167	167	167	167	167	167	167	167	168	168			
10	167	167	167	166	166	165	165	165	165	165	164	165	165	165	166	167			
15	165	165	164	163	162	162	162	161	161	161	161	161	161	162	163	164			
20	161	161	160	159	158	157	157	156	156	156	156	156	156	157	158	160			
25	156	156	155	153	152	151	150	150	151	150	150	149	149	151	153	155			
30	149	150	149	146	144	143	143	143	143	143	142	142	142	143	146	148			
35	142	142	141	138	136	135	135	135	136	135	134	133	133	135	138	141			
40	133	134	132	129	126	125	126	126	127	126	125	124	123	125	129	132			
45	124	124	122	119	115	114	115	116	117	117	115	114	112	114	119	122			
50	114	114	112	107	103	102	104	105	107	106	104	102	101	103	107	112			
55	102	102	99.8	95.2	90.4	89.7	91.9	94.0	95.7	95.2	93.1	90.3	88.1	90.3	95.5	100			
60	90.4	90.3	87.3	82.2	76.7	76.2	79.2	81.9	84.1	83.5	81.0	77.7	74.7	77.0	82.8	88.1			
65	77.7	77.6	74.2	68.4	62.3	62.2	66.1	69.5	71.8	71.4	68.6	64.6	60.8	63.0	69.6	75.2			
70	64.8	64.4	60.6	54.2	47.5	47.7	52.5	56.7	59.6	59.0	55.8	51.1	46.5	48.6	55.7	62.0			
75	51.7	51.4	47.0	39.9	32.5	33.1	39.2	44.1	47.4	46.9	43.2	37.7	25.5	34.0	41.9	48.7			
80	39.7	39.2	34.4	26.5	18.2	19.4	26.7	32.6	36.2	35.6	31.5	25.1	9.91	20.1	28.8	36.2			
85	29.7	29.2	24.0	15.8	6.17	8.40	16.9	23.4	27.2	26.6	22.1	14.9	5.56	8.66	17.9	25.9			
90	22.3	21.8	17.1	9.18	1.22	3.16	10.8	17.0	20.5	20.0	15.7	8.86	1.46	2.85	11.3	18.6			
95	17.6	17.1	13.1	6.72	0.60	2.06	8.15	13.3	16.3	15.7	12.1	6.45	0.77	1.69	8.29	14.3			
100	15.0	14.7	11.2	5.49	0.38	1.55	6.89	11.4	13.9	13.4	10.3	5.37	0.54	1.19	6.88	12.2			
105	13.1	12.8	9.61	4.53	0.26	1.22	5.90	10.0	12.3	11.8	9.03	4.53	0.40	0.86	5.77	10.6			
110	11.4	11.2	8.26	3.72	0.18	0.97	5.04	8.80	10.9	10.5	7.88	3.81	0.30	0.64	4.82	9.11			
115	9.89	9.61	7.04	3.03	0.14	0.78	4.27	7.65	9.54	9.18	6.83	3.20	0.22	0.47	3.96	7.79			
120	8.43	8.21	5.90	2.46	0.09	0.63	3.61	6.58	8.29	7.96	5.86	2.67	0.15	0.34	3.23	6.59			
125	7.08	6.88	4.87	1.95	0.10	0.47	3.02	5.60	7.10	6.82	4.96	2.21	0.11	0.23	2.60	5.44			
130	5.82	5.65	3.94	1.53	0.09	0.32	2.49	4.70	5.98	5.74	4.13	1.80	0.09	0.16	2.03	4.42			
135	4.68	4.53	3.11	1.16	0.09	0.23	2.01	3.86	4.95	4.76	3.39	1.45	0.07	0.11	1.53	3.47			
140	3.64	3.52	2.37	0.73	0.09	0.20	1.57	3.10	3.99	3.84	2.74	1.16	0.08	0.09	0.99	2.61			
145	2.71	2.62	1.73	0.54	0.11	0.16	1.05	2.40	3.12	3.04	2.20	0.93	0.09	0.08	0.61	1.83			
150	1.90	1.83	1.15	0.36	0.11	0.13	0.72	1.77	2.32	2.30	1.71	0.70	0.11	0.08	0.31	0.99			
155	1.19	1.09	0.67	0.22	0.13	0.13	0.41	1.15	1.60	1.62	1.22	0.55	0.12	0.09	0.14	0.55			
160	0.63	0.60	0.38	0.17	0.14	0.15	0.26	0.67	0.87	0.91	0.68	0.38	0.11	0.09	0.09	0.22			
165	0.31	0.30	0.22	0.16	0.16	0.16	0.18	0.32	0.31	0.38	0.35	0.18	0.09	0.08	0.08	0.09			
170	0.20	0.20	0.17	0.17	0.17	0.17	0.17	0.19	0.07	0.08	0.09	0.09	0.07	0.07	0.07	0.07			
175	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04			
180	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02			

C Range: 0 - 360DEG

C Interval: 22.5DEG

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